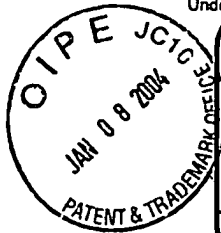


+

+

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	1	of	1	Attorney Docket Number	17220-6
-------	---	----	---	------------------------	---------

Application Number	10/628,737
Filing Date	July 28, 2003
First Named Inventor	PEIYI ZHAO
Group Art Unit	Not Assigned 2916
Examiner Name	Not Assigned M. NLM
Attorney Docket Number	17220-6

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
✓	1	5,453,708		Gupta et al.	09-26-1995	326/98
	2	5,557,225		Denham et al.	09-17-1996	327/199
	3	5,764,089		Partovi et al.	06-09-1998	327/200
	4	5,990,717		Partovi et al.	11-23-1999	327/210
	5	6,064,246		Endo et al.	05-16-2000	327/202
	6	6,181,180	BI	Chen et al.	01-30-2001	327/98 32
	7	6,242,952	BI	Bosshart et al.	06-05-2001	326/98
	8	6,265,923	BI	Amir et al.	07-24-2001	327/218
	9	6,424,195	B2	Samala	07-23-2002	327/211
	10	6,429,711	BI	Tschanz et al.	08-06-2002	327/211
	11	6,433,601	BI	Ganesan	08-13-2002	327/202
	12	6,437,624	BI	Kojima et al.	08-20-2002	327/211
✓	13	6,459,316	BI	Vangal et al.	10-01-2002	327/202
✓	14	2002/0036528	A1	Afghahi	03-28-2002	✓
	15	2002/0140481	A1	Tschanz et al.	10-03-2002	✓
✓	16	5,917,355		Klass	06-29-1999	327/208

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>Wm</i>	Date Considered	12/2/14
-----------------------	-----------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

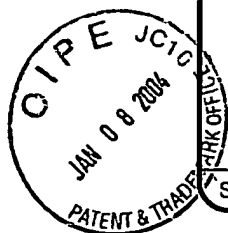
**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

C m p l t i f K n w n

Application Number	10/628,737
Filing Date	July 28, 2003
First Named Inventor	PEIYI ZHAO
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	17220-6

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MY	1	SEONGMOO HEO, RONNY KRASHINSKY, AND KRSTE ASANOVIE, Activity-Sensitive Flip-Flop and Latch Selection for Reduced Energy, 19th Conference on Advanced Research in VLSI, Salt Lake City, UT, March 2001	
MZ	2	HIROSHI KAWAGUCHI and TAKAYASU SAKURAI, A Reduced Clock-Swing Flip-Flop (RCSFP) for 63% Power Reduction, IEEE Journal of Solid-State Circuits, Vol. 33, No. 5, May 1998.	
Y	3	SEONGMOO HEO and KRSTE ASANOVIE, Load-Sensitive Flip-Flop Characterization, IEEE Journal of Solid-State Circuits, 2001	
M	4	BAI-SUN KONG, SAM-SOO KIM, and YOUNG-HYUN JUN, Conditional-Capture Flip-Flop for Statistical Power Reduction, IEEE Journal of Solid-State Circuits, Vol. 36, No. 8, August 2001.	
Y	5	JIREN YUAN and CHRISTER SVENSSON, High-Speed CMOS Circuit Technique, IEEE Journal of Solid-State Circuits, Vol. 24, No. 1, February 1989.	
M	6	RABAEY, J.M.: Digital Integrated Circuits, Chapter 7, "Designing Sequential Logic Circuits", University of California, Berkeley, 2000.	
M	7	VLADIMIR STOJANOVIC and VOJIN G. OKLOBDZIJA, Comparative Analysis of Master-Slave Latches and Flip-Flops for High-Performance and Low-Power Systems, IEEE Journal of Solid-State Circuits, Vol.34, No. 4, April 1999.	
A	8	J. TSCHANZ, et al., Comparative Delay and Energy of Sgl. Edge-Triggered & Dual Edge-Triggered Pulsed Flip-Flops for Hi-Performance Microprocessors Intn'l Symp. on Low Power Elect and Design, Pp(s): 147-152, 2001.	

Examiner  
Signature

*Non*

Date  
Considered

11/9/02

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.